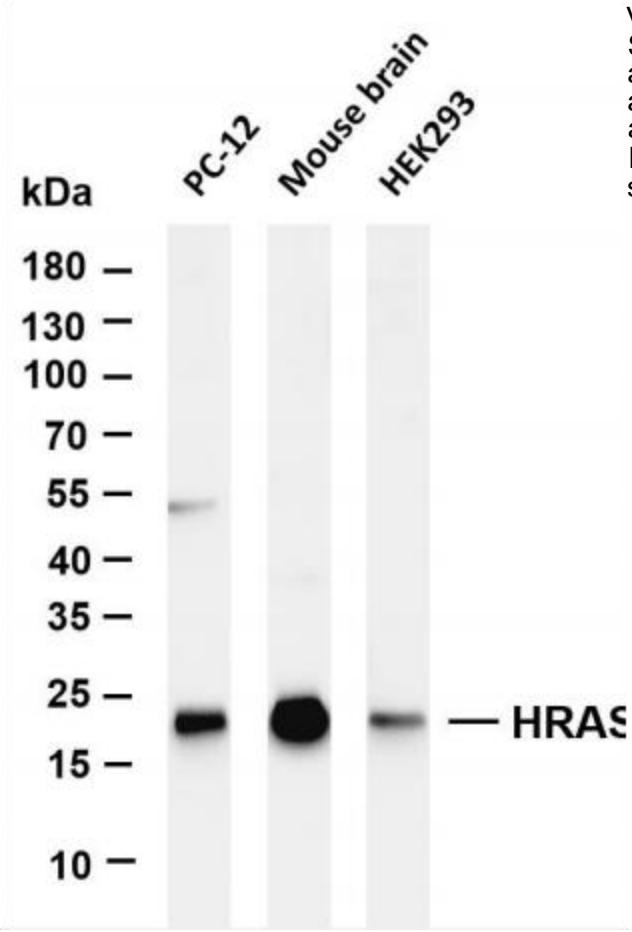
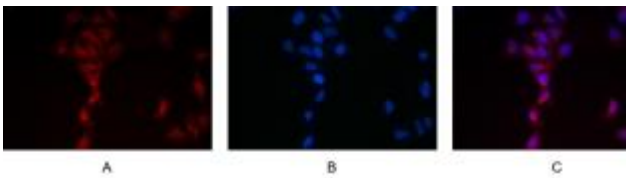
HRAS Rabbit mAb

Catalog No	YP-rAb-17750
Isotype	IgG
Reactivity	Human,Mouse,Rat
Applications	WB,IHC,IF,IP,ELISA
Gene Name	HRAS,HRAS1
Protein Name	GTPase,H-Ras-1,Ha-Ras,Transforming protein p21, ,c-H-ras, p21ras, Cleaved into: GTPase HRas N-terminally processed,Cleaved into: GTPase Hras,GTPase Hras,HRAS 1,
Purification Process	Protein A
Specificity	Endogenous
Formulation	PBS, 50% glycerol, 0.05% Proclin 300, 0.05%BSA
Source	Monoclonal, Rabbit,IgG
Dilution	IHC 1:200-1:1000; WB 1:2000-1:10000; IF 1:200-1:1000; ELISA 1:5000-1:20000; IP 1:50-1:200; Note: For IHC, we suggest antigen retrieval with TE buffer pH 9.0
Concentration	0.5 mg/ml
Purity	≥90%
Storage Stability	-15° C to -25° C/1 year(Do not lower than -25° C)
Synonyms	HRAS,HRAS1,GTPase,H-Ras-1,Ha-Ras,Transforming protein p21, ,c-H-ras, p21ras, Cleaved into: GTPase HRas N-terminally processed,Cleaved into: GTPase Hras,GTPase Hras,HRAS 1,
Observed Band	21kD
Calculated Molecular Weight	21kD
Cell Pathway	Cytoplasm, Membrane
Tissue Specificity	Widely expressed. {ECO:0000269|PubMed:14500341}.
Function	Involved in the activation of Ras protein signal transduction ,PubMed:22821884,. Ras proteins bind GDP/GTP and possess intrinsic GTPase activity
Background	This gene belongs to the Ras oncogene family, whose members are related to the transforming genes of mammalian sarcoma retroviruses. The products encoded by these genes function in signal transduction pathways. These proteins can bind GTP and GDP, and they have intrinsic GTPase activity. This protein undergoes a continuous cycle of de- and re-palmitoylation, which regulates its rapid exchange between the plasma membrane and the Golgi apparatus. Mutations in this gene cause Costello syndrome, a disease characterized by increased growth at the

	prenatal stage, growth deficiency at the postnatal stage, predisposition to tumor formation, cognitive disability, skin and musculoskeletal abnormalities, distinctive facial appearance and cardiovascular abnormalities. Defects in this gene are implicated in a variety of cancers, including bladder cancer, follicular thyroid cancer, and oral squamous cell carcinoma. Multiple transcript variants, which encode different isoforms, have been identified for this gene. [provided by RefSeq, Jul 2008]
matters needing attention	Avoid repeated freezing and thawing!
Usage suggestions	This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.



Various whole cell lysates were separated by 4-20% SDS-PAGE, and the membrane was blotted with anti-HRAS antibody. The HRP-conjugated Goat anti-Rabbit IgG(H + L) antibody was used to detect the antibody. Lane 1: PC-12 Lane 2: Mouse brain Lane 3: HEK293 Predicted band size: 21kDa Observed band size: 21kDa



Immunofluorescence analysis of HEK293. Picture A: GTPase HRAS antibody (red). Picture B: DAPI (blue). Picture C: Merge of A+B